



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: John P. Hunter, Jr.  
TITLE: SPRAY APPLICATOR FOR ROOFING AND OTHER  
SURFACES  
SERIAL NO.: 10/052,420  
FILED: January 15, 2002  
GROUP ART UNIT: To be assigned  
EXAMINER: To be assigned

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents and Trademarks  
Washington, DC 20231

Dear Sir:

Prior to an examination on the merits, please amend the  
above entitled continuation application as follows:

IN THE DRAWINGS:

Please cancel the drawing Figures 1-11 and replace with  
Figures 1-13.

IN THE SPECIFICATION:

Please amend the specification as follows:

After the title, please amend the paragraph extending from line 3 through line 6 as follows, which constitutes a marked-up copy thereof:

-- This application is a divisional of application serial no. 09/653,772 filed September 1, 2000, which application is a divisional of application serial no. 09/267,755 of March 11, 1999, now U.S. Patent No. 6,117,256 of September 12, 2000, which was a divisional of application serial no. 08/970,196 filed November 14, 1997, now U.S. Patent No. 6,024,147 of February 15, 2000, which is based in part upon Disclosure Document No. 373320 dated March 8, 1995 and Provisional application no. 60/030,914, filed on November 14, 1996.---

A clean copy thereof is as follows:

This application is a divisional of application serial no. 09/653,772 filed September 1, 2000, which application is a divisional of application serial no. 09/267,755 of March 11, 1999, now U.S. Patent No. 6,117,256 of September 12, 2000, which was a divisional of application serial no. 08/970,196 filed November 14, 1997, now U.S. Patent No. 6,024,147 of February 15, 2000, which is based in part upon Disclosure

Document No. 373320 dated March 8, 1995 and Provisional application no. 60/030,914, filed on November 14, 1996.

On page 7, line 3, delete "Figure 8 is" and insert --Figures 8 and 8A show--.

A marked up copy of the amended paragraph is as follows:

--[Figure 8 is] Figures 8 and 8A show a nozzle spray pattern and resultant foam cross section;--

A clean copy thereof is as follows:

Figures 8 and 8A show a nozzle spray pattern and resultant foam cross section;

On page 7, line 5, delete "Figure 9 is" and insert  
--Figures 9A and 9B show--.

A marked up copy of the amended paragraph is as follows:

--[Figure 9 is] Figures 9A and 9B show a nutating spray  
nozzle feature with details thereof; wherein--

A clean copy thereof is as follows:

Figures 9A and 9B show a nutating spray nozzle feature  
with details thereof; wherein

On page 7, after line 14, please add the following new paragraphs, which constitutes a clean copy thereof:

Figure 12 is a cross sectional detail view of one embodiment for the reinforced foam coating applied to a roof, as in Figure 11; and,

Figure 13 is a cross sectional detail view of another thinner embodiment for the reinforced foam coating applied to a roof, as in Figure 11.

On page 13, please amend the paragraph commencing at line 28 as follows, which constitutes a marked up copy thereof:

--Alternately, as shown in Figures 10, 11 and 12, roll 144  
can be adjusted to apply a skin coating 175 of rolled material  
over the solidified foam layer 168 with fabric or reinforced  
mesh layer 165 applied from nozzle 62 to a surface, such as a  
roof. As noted previously with respect to Figure 5, the  
thickness of the foam layer can be adjusted by speed control 84  
shown in the block diagram of Figure 5. Figure 13 therefore  
shows an alternate thinner applied solidified foam layer 178  
having fabric or reinforced mesh layer 165 therein and skin  
coating 175 thereupon.--

A clean copy thereof is as follows:

Alternately, as shown in Figures 10, 11 and 12, roll 144  
can be adjusted to apply a skin coating 175 of rolled material  
over the solidified foam layer 168 with fabric or reinforced  
mesh layer 165 applied from nozzle 62 to a surface, such as a  
roof. As noted previously with respect to Figure 5, the  
thickness of the foam layer can be adjusted by speed control 84  
shown in the block diagram of Figure 5. Figure 13 therefore  
shows an alternate thinner applied solidified foam layer 178  
having fabric or reinforced mesh layer 165 therein and skin  
coating 175 thereupon.

IN THE CLAIMS:

Please cancel Claims 1-41 from the originally filed application.

Please cancel Claims 47 and 48 which were previously entered in the parent application filed under Serial No. 09/653,772 of September 1, 2000.

Remaining new Claims 42-46 and 49 read as follows which constitutes a clean copy thereof:

--42. An in situ, field applied mesh reinforced polyurethane foam roofing surface membrane in combination with a building roof base comprising:

a solidified cured polyurethane foam surface membrane layer;

said foam surface membrane layer being spontaneously cured and directly applied integrally to said building roof base;

said foam surface membrane layer extending from a bottom roof engaging portion to an upper exposed portion;

said solidified polyurethane foam surface membrane layer having a reinforced open mesh layer;

said reinforced open mesh layer having a plurality of fibers imbedded within said upper exposed portion of said solidified polyurethane foam surface membrane layer;

wherein upon curing, said cured polyurethane foam surface membrane layer extends through recesses in said mesh and

surrounds said fibers of said mesh.

43. The in situ, field applied mesh reinforced polyurethane foam roofing surface membrane as in Claim 42, wherein said reinforced open mesh layer is a fabric.

44. The in situ, field applied mesh reinforced polyurethane foam roofing surface membrane as in Claim 42, wherein said reinforced open mesh layer is a plastic.

45. The in situ, field applied mesh reinforced polyurethane foam roofing surface membrane as in Claim 42, wherein said reinforced open mesh layer is selected from the group consisting of nylon, fiberglass and aramid.

46. The in situ, field applied mesh reinforced polyurethane foam roofing surface membrane as in Claim 42 further comprising a coating applied over said upper exposed portion of said solidified polyurethane foam surface membrane.

49. The in situ, field applied surface membrane roofing product made by the method of Claim 47.--



## REMARKS

In conjunction with the filing of the above certified divisional application, Applicant cancels pending claims 42-46 and 49. These Claims were added in a Preliminary Amendment filed in connection with application serial number 09/653,772, which had previously cancelled Claims 1-41 from co-pending case 09/267,755 filed March 11, 1999, now U.S. Patent No. 6,117,256 of September 12, 2000, which was a divisional of application serial no. 08/970,196 filed November 14, 1997, now U.S. Patent no. 6,024,147, which was based upon provisional application serial no. 60/030,914 filed under November 14, 1996.

In conjunction with the filing of formal drawings, Applicant amends the specification at page 7 to reflect the numbering of the formal drawings, namely, Figures 8 and 8A instead of Figure 8 alone in the informal drawings, and Figures 9A and 9B instead of Figure 9 alone in the informal drawings.

Applicant also adds Figures 12 and 13, which show cross sectional detail views of the spray applied foam roofing surface.

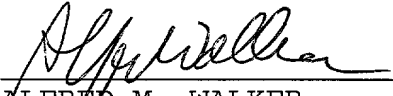
No new matter is introduced to the specification by the foregoing amendment. For example, with respect to new drawing Figure 12, it shows what is previously discussed in the specification regarding Figures 10 and 11, namely, that roll 144 can be adjusted to apply a skin coating 175 of rolled material over the solidified foam layer 168 with fabric or reinforced mesh layer 165 applied from nozzle 62 to a surface,

such as a roof. As noted previously with respect to Figure 5, the thickness of the foam layer can be adjusted by speed control 84 shown in the block diagram of Figure 5. Furthermore, Figure 13 shows an alternate thinner applied solidified foam layer 178 having fabric or reinforced mesh layer 165 therein and skin coating 175 thereupon. The specification already states at page 10, lines 28-37 that the thickness of the spray applied foam layer can be adjusted by speed control 86 of the block diagram of Figure 5. Furthermore, the specification already describes at page 13, lines 28-30 that a skin coating can be applied over the spray applied foam layer, which can also have a fabric or reinforced mesh layer, as noted in the specification at page 13, lines 37 and 38 through page 14, lines 1 to 14.

Prior to an examination on the merits, please enter the foregoing preliminary amendment.

Dated: *February 25*  
~~January~~, 2002

Respectfully submitted,

  
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CERTIFICATE OF MAILING

I hereby certify that the attached correspondence is being deposited with the United States Postal Service as Express Mail No. *EL 7956668304* addressed to:

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on the date indicated below.

*February 25*  
~~January~~, 2002

  
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Jackie Percan

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